Client's Ref: A91065 / In-Shan SIR

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ABSTRACT OF THE DISCLOSURE

A pigment-based black ink. The ink includes a carbon black pigment dispersions, macromolecular chromophores (MMCs) , and an aqueous solution medium. The black ink of the present invention combines a carbon black pigment dispersions and a MMCs and has a higher optical density than ink including only carbon black pigment dispersions or MMCs .